areasym	musym	muname	slope_r	slopelen_r_feet
MN021	1002	Fluvaquents, frequently flooded	1	0
MN021	1141	Runeberg loam, acid substratum, depressional	1	151
MN021	1151B	Blowers sandy loam, acid substratum, 1 to 5 percent slopes	3	125
MN021	1153B	Huntersville loamy sand, acid substratum, 1 to 6 percent slopes	3	125
MN021	1155	Staples loamy sand, acid substratum	1	151
MN021	1157	Paddock loam, acid substratum	1	151
MN021	1160B	Redeye loamy sand, acid substratum, 1 to 6 percent slopes	3	125
MN021	1160C	Redeye loamy sand, acid substratum, 6 to 12 percent slopes	9	125
MN021	119B	Pomroy loamy sand, 3 to 8 percent slopes	5	125
MN021	119C	Pomroy loamy sand, 8 to 15 percent slopes	11	125
MN021	126B	Graycalm loamy sand, 1 to 8 percent slopes	4	125
MN021	126C	Graycalm loamy sand, 8 to 15 percent slopes	11	125
MN021	139B	Huntersville loamy fine sand, 1 to 6 percent slopes	3	125
MN021	142	Nokay loam	1	151
MN021	144B	Flak sandy loam, 3 to 8 percent slopes	5	203
MN021	144C	Flak sandy loam, 8 to 15 percent slopes	12	203
MN021	146B	Wabedo sandy loam, 1 to 6 percent slopes	3	203
MN021	147	Spooner very fine sandy loam	1	151
MN021	158B	Zimmerman fine sand, 1 to 8 percent slopes	4	125
MN021	167B	Baudette silt loam, 1 to 6 percent slopes	3	125
MN021	1943	Roscommon loamy sand	1	151
MN021	1956	Staples loamy sand	1	151
MN021	1957B	Friendship loamy sand, loamy substratum, 1 to 6 percent slopes	3	125
MN021	1970B	Menahga loamy sand, till substratum, 2 to 8 percent slopes	5	125
MN021	1970C	Menahga loamy sand, till substratum, 8 to 15 percent slopes	11	125
MN021	1978	Nokay loam, very stony	1	151
MN021	1995B	Bergkeller sandy loam, 1 to 6 percent slopes	3	125
MN021	1996	Cromwell sandy loam, moderately wet	1	151
MN021	202	Meehan loamy sand	1	151
MN021	204B	Cushing loam, 2 to 8 percent slopes	5	125
MN021	204C	Cushing loam, 8 to 15 percent slopes	11	125
MN021	204E	Cushing loam, 15 to 30 percent slopes	22	102

MN021	217	Nokasippi loamy fine sand	1	151
MN021	218	Watab loamy sand	1	151
MN021	240A	Warba very fine sandy loam, 1 to 3 percent slopes moderately wet	2	151
MN021	240B	Warba very fine sandy loam, 3 to 8 percent slopes	5	125
MN021	240C	Warba very fine sandy loam, 8 to 15 percent slopes	11	125
MN021	243	Stuntz very fine sandy loam	1	151
MN021	268B	Cromwell sandy loam, 1 to 8 percent slopes	5	125
MN021	268C	Cromwell sandy loam, 8 to 15 percent slopes	11	125
MN021	292	Alstad fine sandy loam	1	151
MN021	453B	DeMontreville loamy sand, 2 to 8 percent slopes	5	125
MN021	453C	DeMontreville loamy sand, 8 to 15 percent slopes	11	125
MN021	453E	DeMontreville loamy sand, 15 to 40 percent slopes	28	102
MN021	454B	Mahtomedi loamy sand, 1 to 8 percent slopes	5	125
MN021	454C	Mahtomedi loamy sand, 8 to 15 percent slopes	11	125
MN021	454E	Mahtomedi loamy sand, 15 to 40 percent slopes	28	102
MN021	458A	Menahga loamy sand, 0 to 3 percent slopes	2	151
MN021	458B	Menahga loamy sand, 3 to 8 percent slopes	5	125
MN021	458C	Menahga loamy sand, 8 to 15 percent slopes	11	125
MN021	458E	Menahga loamy sand, 15 to 40 percent slopes	28	102
MN021	48	Hiwood loamy fine sand	1	151
MN021	540	Seelyeville muck	1	151
MN021	541	Rifle mucky peat	1	151
MN021	543	Markey muck	1	151
MN021	544	Cathro muck	1	151
MN021	549	Greenwood peat	1	151
MN021	564	Friendship loamy sand	2	151
MN021	620B	Cutaway loamy sand, 1 to 10 percent slopes	5	125
MN021	620D	Cutaway loamy sand, 10 to 25 percent slopes	18	102
MN021	625	Sandwick loamy sand	1	151
MN021	665B	Menahga loamy sand, moraine, 3 to 8 percent slopes	5	125
MN021	665C	Menahga loamy sand, moraine, 8 to 15 percent slopes	11	125
MN021	665E	Menahga loamy sand, moraine, 15 to 40 percent slopes	28	102
MN021	679B	Menahga loamy sand, loamy substratum, 2 to 8 percent slopes	5	125
MN021	679C	Menahga loamy sand, loamy substratum, 8 to 15 percent slopes	11	125

MN021	684	Bergkeller sandy loam, moderately wet	1	151
MN021	701	Runeberg mucky loam, depressional	1	151
MN021	703	Paddock loam	1	151
MN021	720B	Blowers soils, 1 to 5 percent slopes	3	203
MN021	730A	Sanburn sandy loam, 1 to 3 percent slopes	2	151
MN021	730B	Sanburn sandy loam, 3 to 8 percent slopes	5	125
MN021	730C	Sanburn sandy loam, 8 to 15 percent slopes	11	125
MN021	731A	Sanburn loamy sand, 0 to 3 percent slopes	2	151
MN021	731B	Sanburn loamy sand, 3 to 8 percent slopes	5	125
MN021	731C	Sanburn loamy sand, 8 to 15 percent slopes	11	125
MN021	732	Bushville loamy sand, 1 to 3 percent slopes	2	0
MN021	739B	Wabedo sandy loam, 1 to 6 percent slopes, very stony	3	203
MN021	742B	Flak sandy loam, 3 to 8 percent slopes, very stony	5	203
MN021	742C	Flak sandy loam, 8 to 15 percent slopes, very stony	12	203
MN021	750B	Pomroy loamy sand, 3 to 8 percent slopes, very stony	5	151
MN021	750C	Pomroy loamy sand, 8 to 15 percent slopes, very stony	11	151
MN021	773B	Warba-Cromwell complex, 1 to 8 percent slopes	5	125
MN021	773E	Warba-Cromwell complex, 8 to 25 percent slopes	18	102
MN021	788	Cathro-Seelyeville complex	1	151
MN021	797	Mooselake and Lupton soils	1	151
MN021	799	Bowstring-Seelyeville complex, frequently flooded	1	151
MN021	7A	Hubbard loamy sand, 0 to 3 percent slopes	1	151
MN021	7B	Hubbard loamy sand, 3 to 8 percent slopes	5	125
MN021	82B	Redeye loamy sand, 1 to 6 percent slopes	3	125
MN021	82C	Redeye loamy sand, 6 to 12 percent slopes	9	125
MN021	870B	Itasca-Goodland complex, 1 to 8 percent slopes	4	125
MN021	870C	Itasca-Goodland complex, 8 to 15 percent slopes	11	125
MN021	928B	DeMontreville-Mahtomedi-Cushing complex, 2 to 8 percent slopes	5	125
MN021	928C	DeMontreville-Mahtomedi-Cushing complex, 8 to 15 percent slopes	11	125
MN021	928E	DeMontreville-Mahtomedi-Cushing complex, 15 to 40 percent slopes	28	102
MN021	A10	Glossaqualfs	0.5	151
MN021	A12	Warba-Aquic Eutroboralfs, loamy-Aeric Glossaqualfs, loamy, association, nearly level to gently	7	125
MN021	A13	Warba-Aquic Eutroboralfs, loamy-Aeric Glossaqualfs, loamy, association, nearly level to hilly	15	125
MN021	A15	Typic Udipsamments-Arenic Eutroboralfs-Alfic Udispamments association, nearly level to gently	5	125

MN021	A16	Warba-Dystric Eutrochrepts-Typic Udispamments association, nearly level to gently rolling	5	125
MN021	A17	Menahga-Cutaway-Glossic Eutroboralfs association, rolling and hilly	15	125
MN021	A18	Arenic Eutroboralfs, nearly level to gently rolling	5	125
MN021	A19	Menahga loamy coarse sand, moraine, rolling and hilly	12	125
MN021	A20	Typic Udipsamments, gravelly, rolling to very hilly	28	102
MN021	E57	Zimmerman loamy fine sand, nearly level and undulating	4	125
MN021	E58	Graycalm-Typic Udipsamments association, nearly level and undulating	4	125
MN021	E59	Warba-Stuntz-Arenic Eutroboralfs association, nearly level and undulating	6	125
MN021	E60	Warba-Stuntz association, nearly level and undulating	6	125
MN021	E61	Glossic Eutroboralfs, loamy, rolling and hilly	15	125
MN021	E62	Warba-Histosols association, nearly level to gently rolling	6	125
MN021	E63	Aquic Eutroboralfs, clayey subsoil, nearly level and undulating	9	151
MN021	E65	Aeric Glossaqualf, loamy	1	151
MN021	F76	Warba very fine sandy loam, nearly level and undulating	5	125
MN021	F77	Warba very fine sandy loam, rolling and hilly	18	102
MN021	K22	Alfic Udipsamments, nearly level and undulating	4	125
MN021	K25	Eutroboralfs-Typic Ochraqualfs association, nearly level and undulating	5	125
MN021	K27	Aquic Eutroboralfs, loamy, nearly level and undulating	3	151
MN021	K28	Aquic Eutroboralfs, silty, nearly level and undulating	3	125
MN021	K30	Typic Ochraqualfs, clayey	1	151
MN021	K31	Suomi-Aeric Glossaqualfs, loamy, association, nearly level and undulating	3	151
MN021	K35	Typic Ochraqualfs, ponded	0.5	151
MN021	M-W	Water, miscellaneous		0
MN021	N77	Udipsamments, nearly level and undulating	3	151
MN021	N78	Psammentic eutroboralfs, sandy, nearly level and undulating	3	151
MN021	N79	Psammentic eutroboralfs, sandy, rolling and hilly	12	102
MN021	N80	Cutaway-hiwood association, nearly level and undulating	3	151
MN021	O92	Hiwood-Zimmerman association, nearly level to hilly	2	151
MN021	O93	Eutroboralfs, nearly level and undulating	5	125
MN021	O94	Redby fine sand	1	151
MN021	O95	Humaquepts	0.5	151
MN021	O96	Mollic Fluvaquents, frequently flooded	0.5	148
MN021	O97	Humaquepts, sandy	0.5	151
MN021	W	Water	0	0

MN021	X01	Histosols, depressional	0.5	151
MN021	X02	Typic borohemists, acid	0.5	151
MN021	X03	Typic borohemists, nonacid-typic borosaprists association	0.5	151
MN021	X04	Typic borosaprist-bowstring association	0.5	151
MN021	X05	Typic borohemists, nonacid	0.5	151
MN021	XW1	Aqualfs	0.5	151